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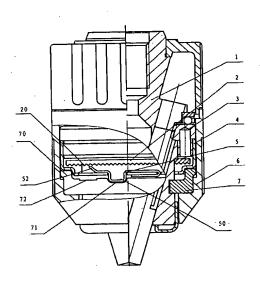
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(54) Title: MANUALLY FASTENED DRILL CHUCK

(54) 发明名称: 手紧钻夹头的自锁机构



(57) Abstract: A self-locking manually fastened drill chuck includes a ratchet ring, a clamping support, at least one elastic detent and a retaining ring. Said ratchet ring connects with the body of the manually fastened drill chuck, and it is provided with ratchets on the end face which is opposite to said body; said clamping support connects with the outer surface of the threaded ring of the drill chuck. The end face of the clamping support is provided with at least one ratchet grooves; said elastic detent is fixed in said ratchet groove, and it has a protrusion and a tooth plate; said retaining ring has at least two arc segments which mutually cooperate with each other by clamping on the front end of the body. The outer perimeter of the retaining ring connects with the front cap of the drill chuck; said retaining ring connects with said clamping support, and drives the clamping support rotating with it. The end face of the retaining ring is provided with deep grooves and shallow grooves for receiving the protrusions of the elastic detent.

(57) 摘要: 本发明公开了一种手紧钻夹头的自锁机构,包括 有棘轮圈、夹紧支承,至少一个弹性棘爪和卡环,其中: 所述棘轮圈与所述手紧夹钻头的本体固定连接,其背向所 述本体的端面设有棘齿,所述夹紧支承与所述手紧钻夹头中 螺环的外侧面固定连接,该夹紧支承的端面至少设有一个棘 轮槽: 所述弹性棘爪固定在所述棘轮槽上, 包括有凸起和齿 片,所述卡环至少包括有二辨可相互对合扣装在所述本体前 端位置的弧段,该卡环的外周面与所述手紧钻夹头的前帽固 定连接,所述卡环与所述夹紧支承连接,带动所述夹紧支承 转动,所述卡环的端面设有用于容纳所述弹性棘爪上凸起的 深、浅凹槽。

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DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW。

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本国际公布:

- 包括国际检索报告。
- 包括经修改的权利要求。

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